

California OES Atmospheric River Event Weather Threat Briefing

19 February 2017
10:00 AM PST

Day 1: Minor to moderate flooding continues along small streams and creeks and some main stem rivers. Precipitation coverage to increase dramatically tonight along with increasing strong and damaging winds

National Weather Service
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Key Points

Today

- Showers central coast northward, Sacramento River Valley, northern San Joaquin River Valley, and the Sierra foothills, with snow levels around 5500 ft in Northern Sierra

Monday

- Major storm system central coast northward, with heavy rainfall, areas of damaging strong winds, and snow levels higher and around 6500-7500 ft
- Additional flooding responses on streams, creeks and mainstem rivers

Tuesday-Wednesday

- Lingering showers and mountain snows with lower snow levels create slight threats for impacts, but main threat will be continued flooding
- Strong winds remain across portions of northern CA

Thursday

- No significant impacts expected

Friday-Saturday

- Slight threat for impacts from an additional storm system that will move south along the Pacific Coast



Key Impacts

- Minor to moderate flooding continues along unregulated rivers, streams, roadways, and low-lying areas continues.
 - Significant additional inflow to reservoirs, streams and mainstem rivers Monday as widespread rainfall impacts central and northern CA
- Rockslides and mudslides likely along mountain slopes and steep grades Monday and Monday Night from Central Coast inland and across Northern CA
- Expect impacts from strong and gusty winds accompanying the storm Monday and Monday Night
- Periods of hazardous travel over Sierra passes due to accumulating snowfall Tuesday



California OES Impact Threat Matrix

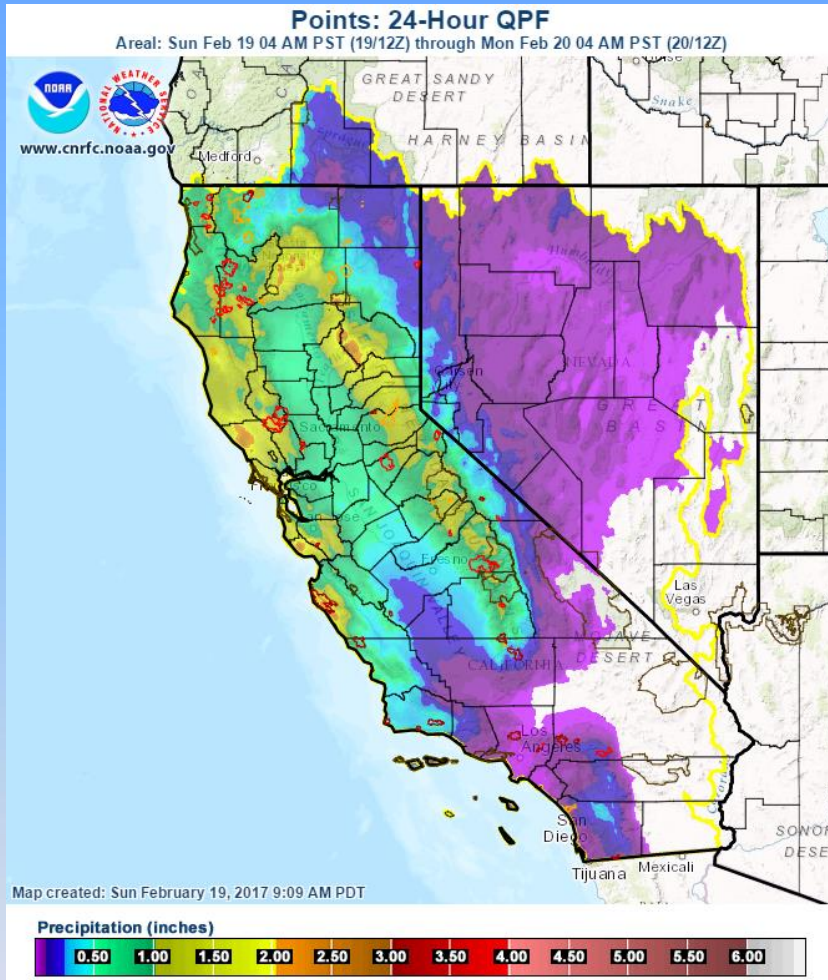
Feb 19, 2017 – Feb 25, 2017

DAY/THREAT	SUN	MON	TUE	WED	THU	FRI	SAT
Freezing Rain							
Winds							
Snow							
Heavy Rain/ Flash Flooding							
Debris Flows/Mud Slides							
River Flooding							

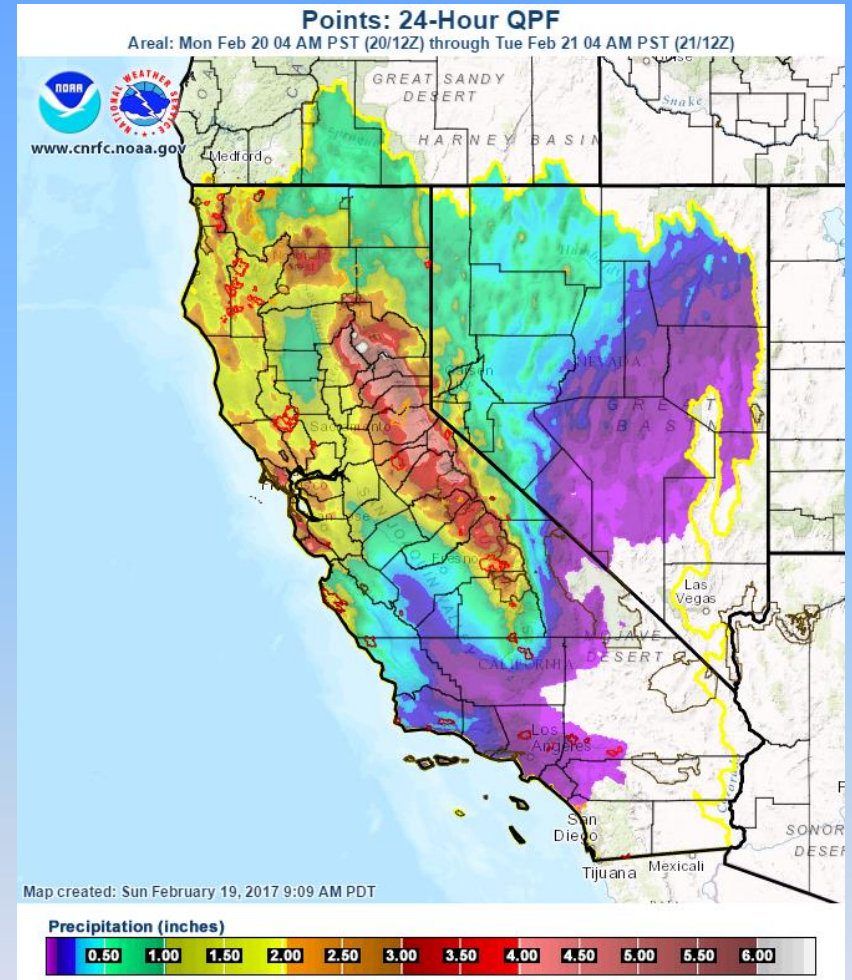
	High Threat
	Moderate Threat
	Slight Threat
	No Discernible Threat



Days 1-2 Precipitation Forecast



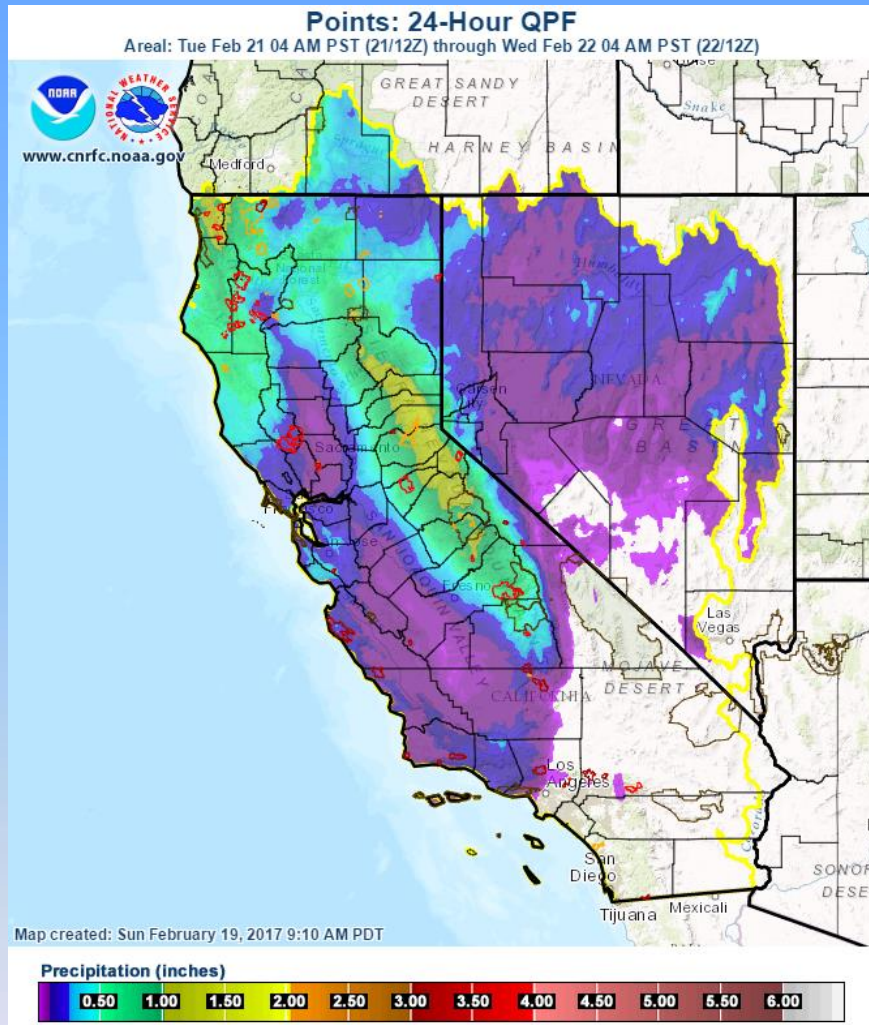
Today



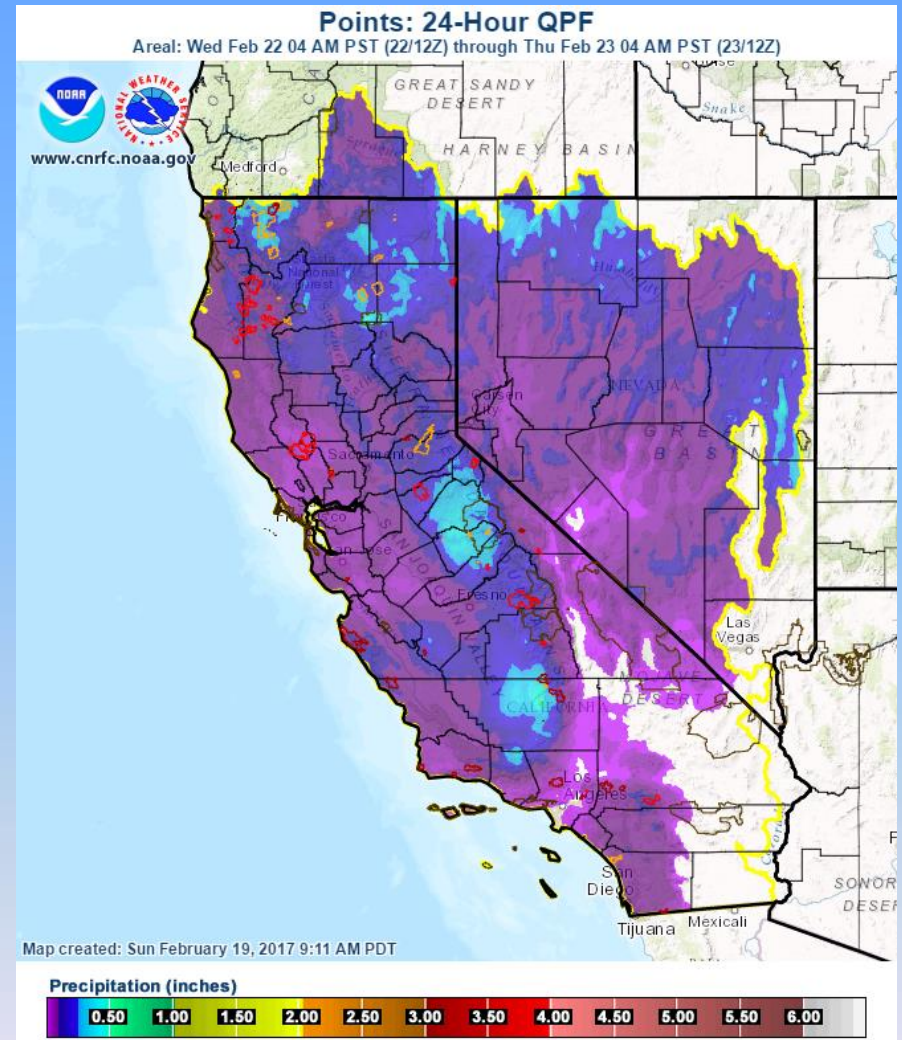
Monday



Days 3-4 Precipitation Forecast



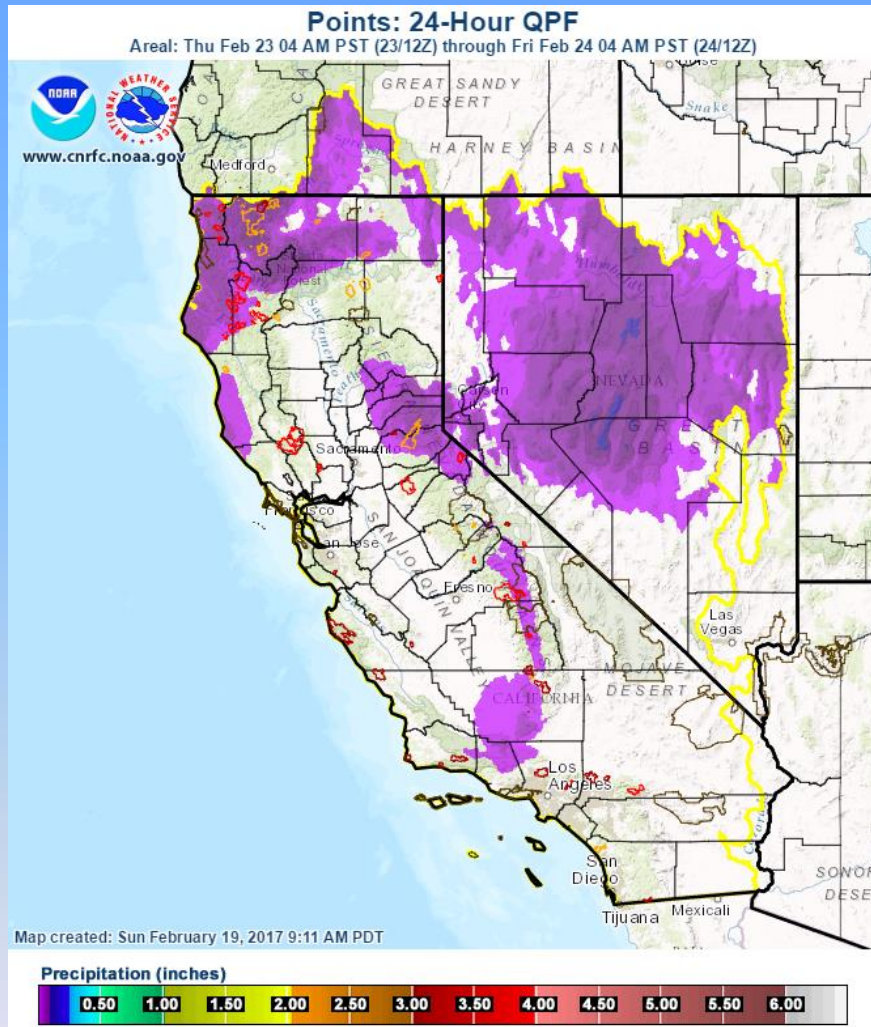
Tuesday



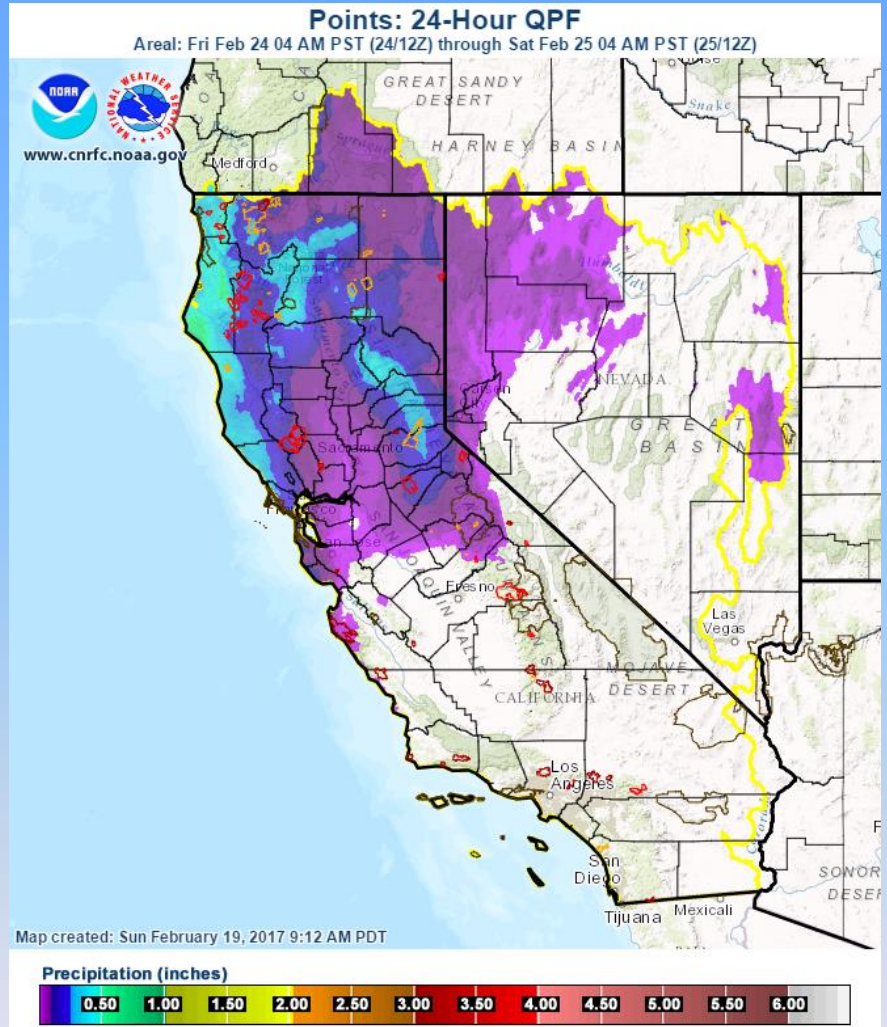
Wednesday



Days 5-6 Precipitation Forecast



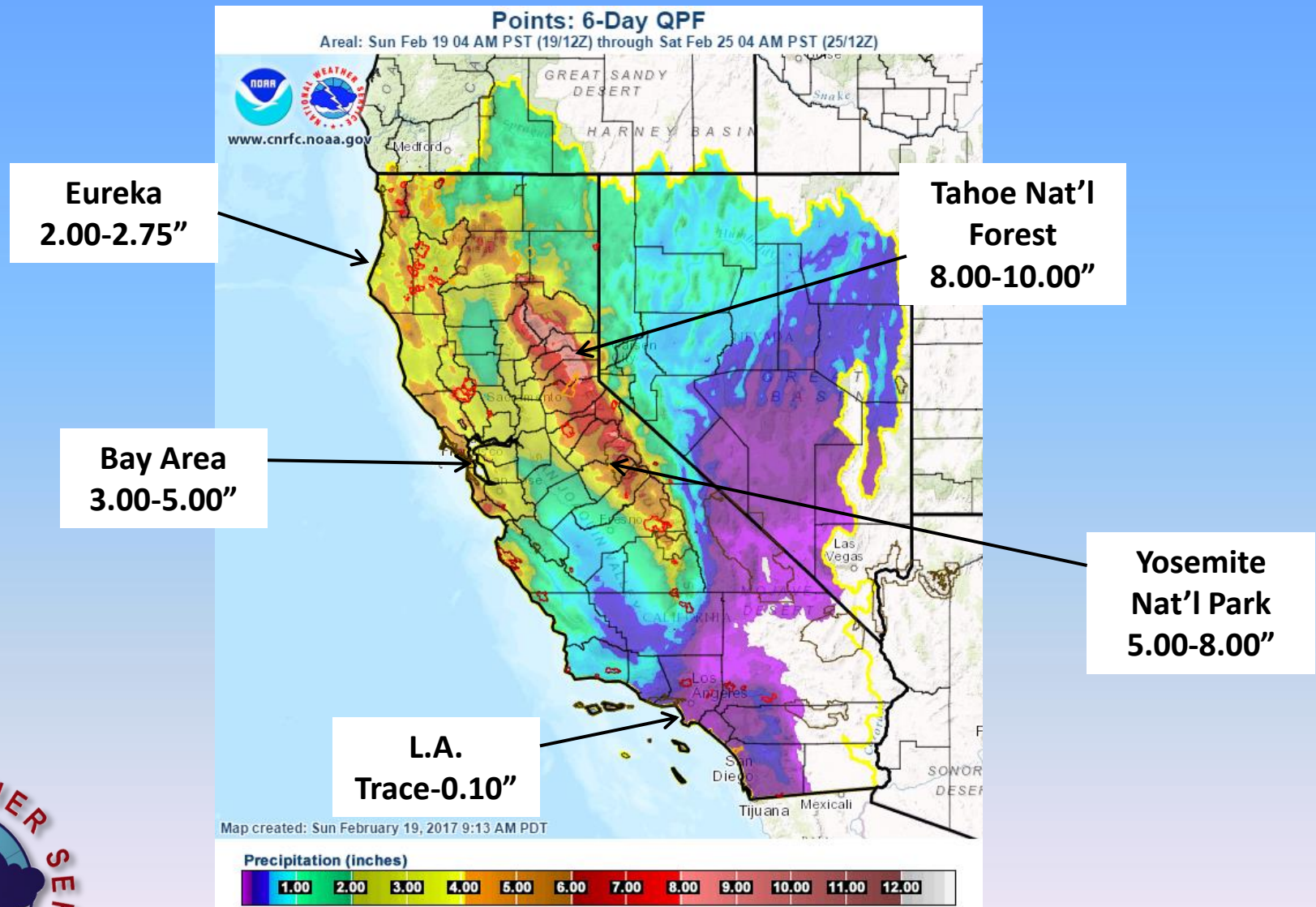
Thursday



Friday



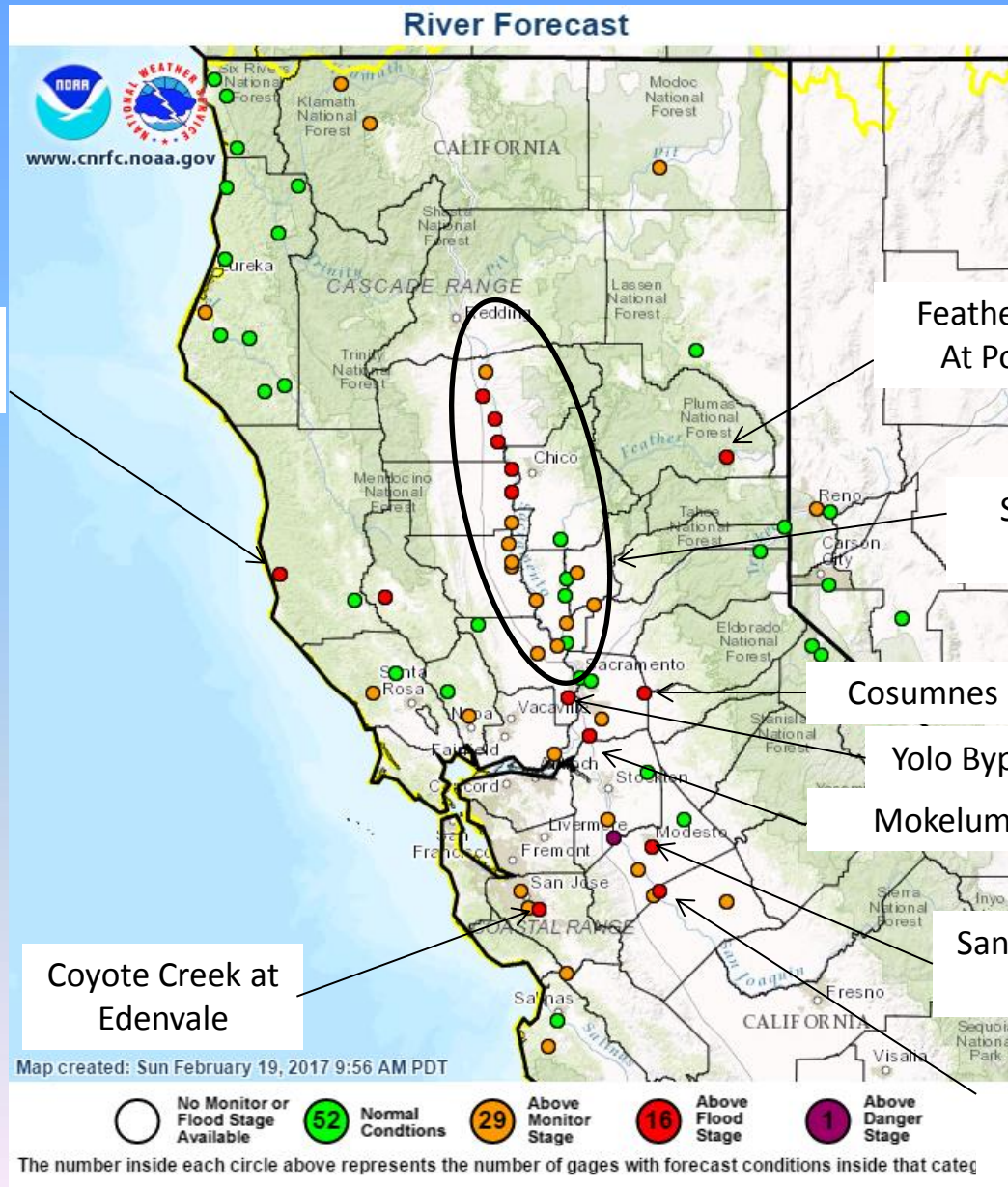
6 Day Precipitation Forecast



Valid Sunday, February 19, 2017 – Saturday, February 25, 2017.



River Forecasts



River Forecasts

Sacramento River – Many points expected to remain in minor to moderate flooding today, with additional increases expected Monday into Tuesday. Varying impacts: <http://water.weather.gov/ahps2/forecasts.php?wfo=sto>

Middle Fork Feather River Near Portola, CA – Cresting at 10.7 ft early Wednesday. Similar flooding as January 9-10, 2017, but not nearly as high as what was experienced in early February 2017. Estimated impacts at 10 feet are moderate flooding of lowlands, structures and roads from Beckwourth to Sloat, CA, including Portola. Sleepy Pines Motel and other low structures along river in Portola flood. Evacuation of homes on south end of West Street likely to begin. Sewage ponds in Portola may exceed capacity and may need to release to river. River near foundation of Veterans Hall in Portola, CA. Highway 89 near Clio flooded. About 6450 cfs. Like flood of March 27, 1971.

Cosumnes River at Michigan Bar – Forecast to reach flood stage Monday afternoon, with a crest of 13.8 ft Monday Night. Estimated impacts indicate this would again create flooding of houses in Wilton due to overtopping of the south bank levee near Wilton.

Merced River at Stevinson – Forecast to remain in Minor Flood into next week, with a crest at 72.4 ft on Tuesday Night.

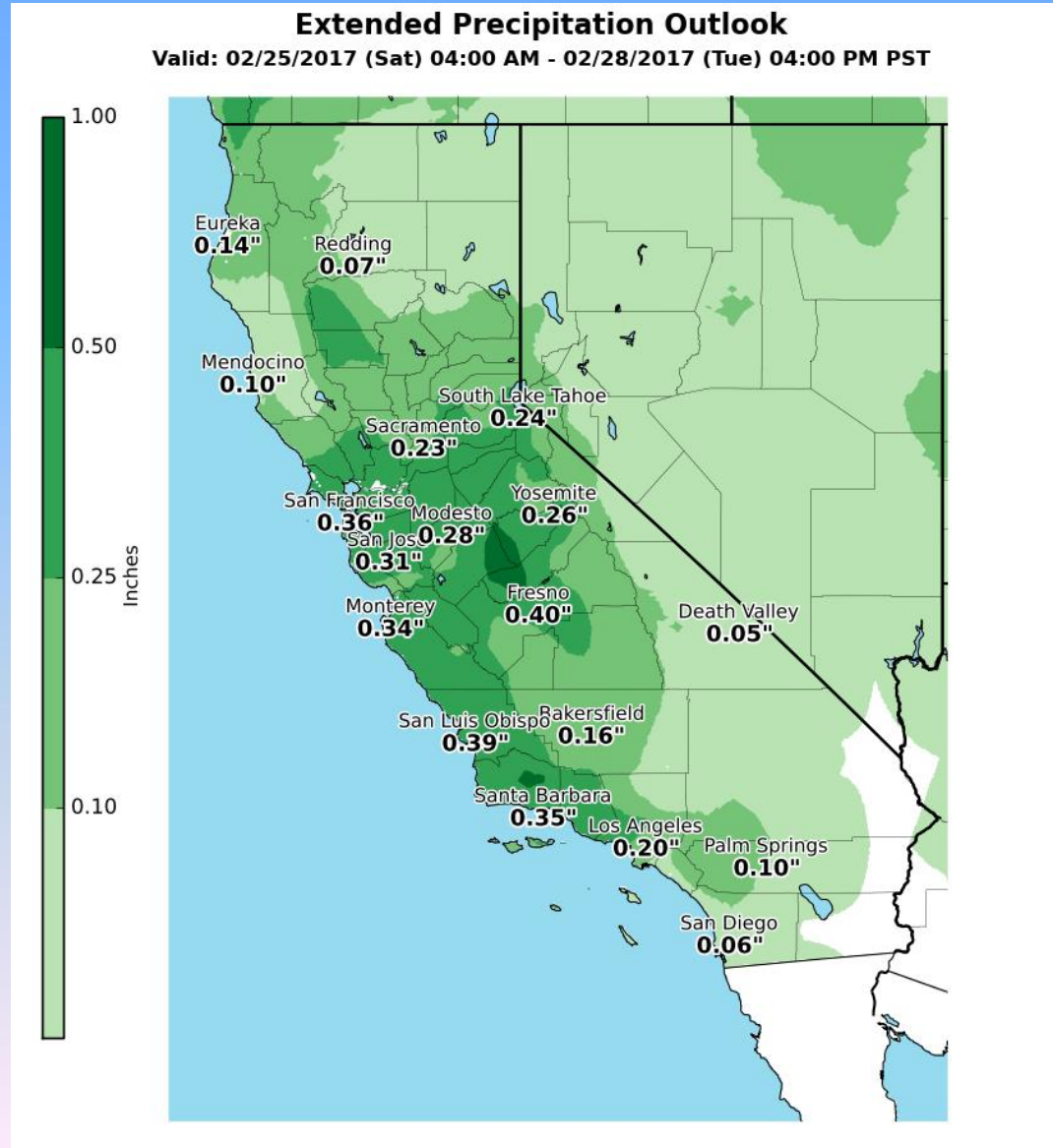
San Joaquin River at Vernalis – Forecast to remain at Danger Stage and continue increasing to 30.0 ft by Thursday Night. Impacts at 26 feet include: Severe seepage occurs outside the levees. The area covered by seepage will increase as the river stage rises.

Mokelumne River at Benson's Ferry – Forecast to reach minor flood stage Tuesday with a crest of 18.0 ft Wednesday. Impacts at 17.25 ft estimated to be just to some local farm roads closing and flooded low lying areas along the river.

Yolo Bypass – Forecast to continue at minor flood stage through this week with a crest of 23.0 ft Wednesday.

Coyote Creek – South Bay potentially could reach record levels Monday into Tuesday due to an expected 10,000 cfs pouring over into the creek from the Anderson Dam spillway

Consensus Blend of Model Forecasts of Precipitation Saturday-Tuesday



Information provided by:

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